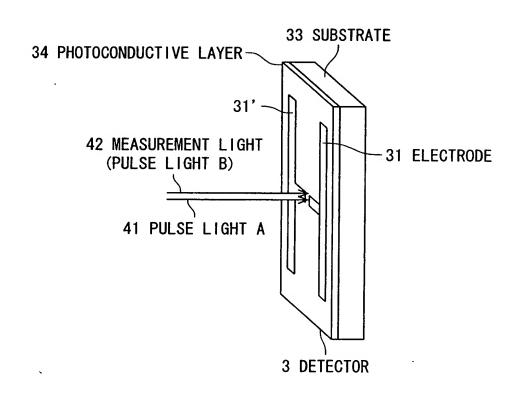
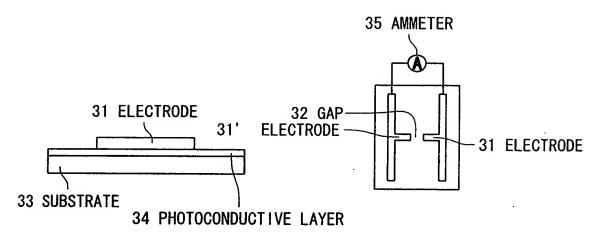
-15 MIRROR DRIVING DEVICE MIRROR DRIVING POWER SOURCE 12 SEMI-TRANSPARENT MIRROR -3 DETECTOR (LIGHT 10 MOVABLE MIRROR DETECTING MEANS) 11 REFLECTOR GATE PULSE LIGHT (PULSE LIGHT A) MEASUREMENT LIGHT (PULSE LIGHT B) 20 SAMPLE PULSE LIGHT SOURCE (GATE-PULSE-LIGHT — GENERATING MEANS) MEASUREMENT-LIGHT SOURCE (MEASUREMENT-LIGHT GENERATING MEANS)

MEASURING DEVICE

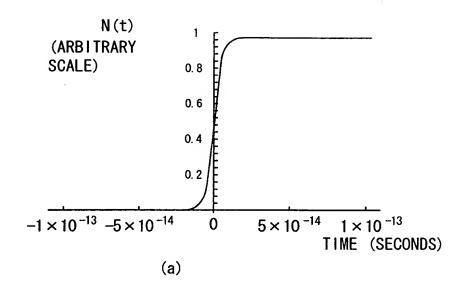
FIRST EMBODIMENT OF THE INVENTION

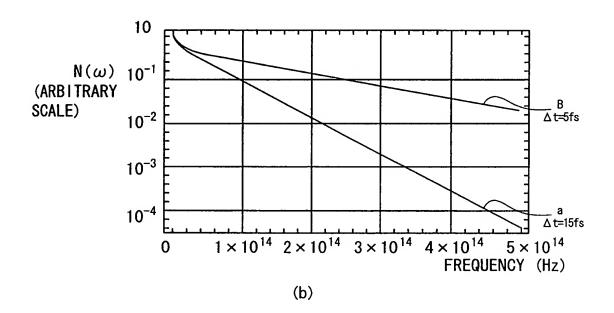
EMBODIMENT OF DETECTOR OF THE INVENTION

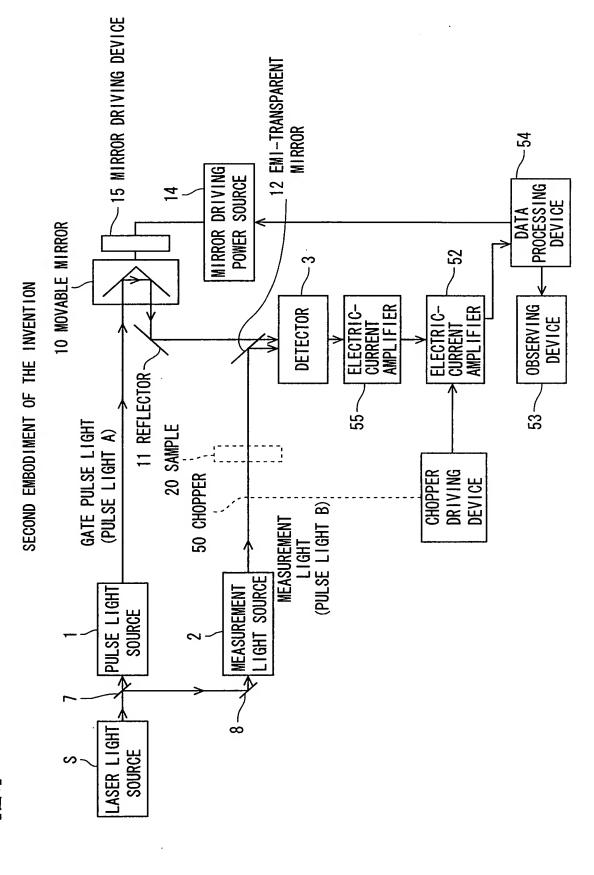




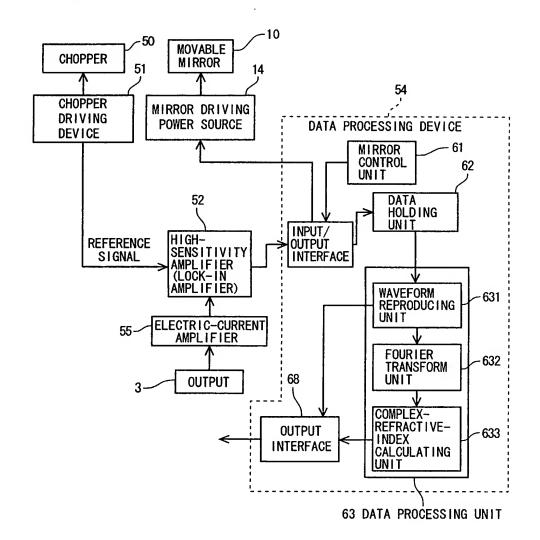
EXPLANATION VIEW OF PULSE WIDTH OF GATE PULSE LIGHT FOR REALIZING T

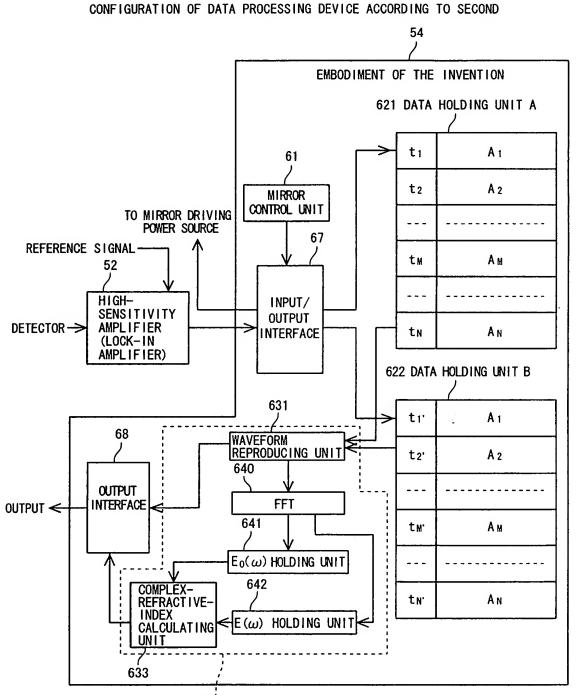






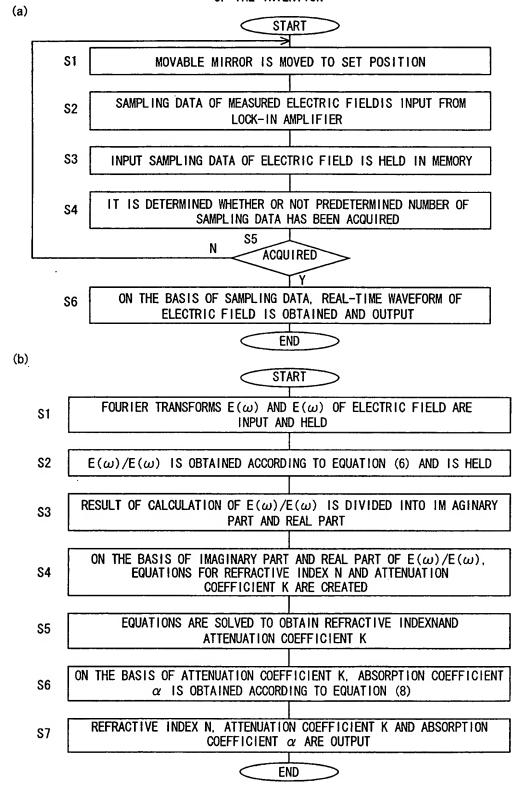
SYSTEM CONFIGURATION ACCORDING TO SECOND EMBODIMENT OF THE INVENTION





63 DATA PROCESSING UNIT

FLOW CHART IN DATA PROCESSING DEVICE ACCORDING TO SECOND EMBODIMENT OF THE INVENTION



52 ELECTRICOURRENT > SIGNAL OUTPUT 15 MIRROR DRIVING DEVICE MIRROR DRIVING POWER SOURCE 55 ELECTRICOURRENT AMPLIFIER 73 REFLECTOR REFERENCE SIGNAL **DETECTOR** 10 MOVABLE MIRROR | GATE PULSE LIGHT | PULSE LIGHT A) | | REFLECTOR MEASUREMENT LIGHT (PULSE LIGHT B) SOURCE MEASUREMENT LIGHT SOURCE S LASER LIGHT 50 CHOPPER DRIVING UNIT REFERENCE SIGNAL CHOPPER

72 SEMI-TRANSPARENT MIRROR

71 REFLECTOR

THIRD EMBODIMENT OF THE INVENTION

(b)

FOURTH EMBODIMENT OF THE INVENTION FIRST METHOD FOR PERFORMING MEASUREMENT FOR PLURAL OPTICAL—PATH DIFFERENCES THROUGH SINGLE IRRADIATION OF GATE PULSE LIGHT

(a) 10 MOVABLE MIRROR -15 MIRROR DRIVINGDEVICE MIRROR DRIVING POWER SOURCE 11 REFLECTOR-3 OUTPUT 54 AMPLIFIER 81 **d**1. -92 82 AMPLIFIER 2 **MEASUREMENT** d₂ DATA 83 LIGHT PROCE--93 dз SSING **AMPLIFIER** DEVICE AMPLIFIER **REFERENCE**

SIGNAL

101 ELECTRODE

102

103

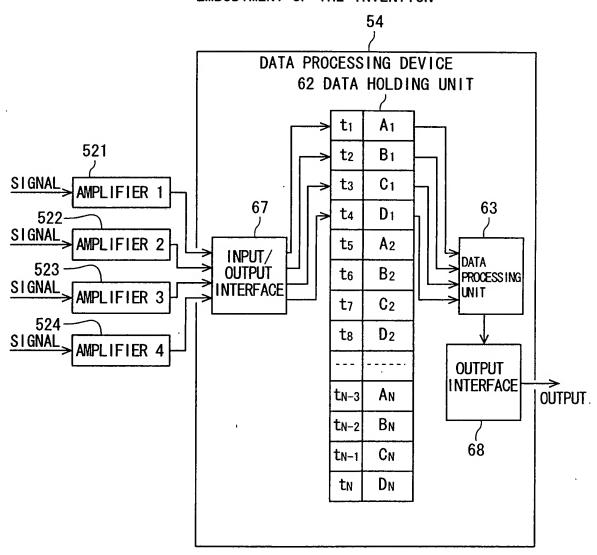
104

104'

3 OUTPUT

· . > r

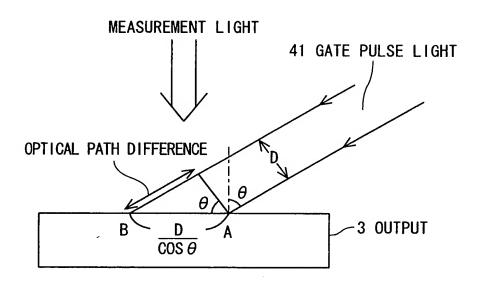
CONFIGURATION OF DATA PROCESSING DEVICE ACCORDING TO FOURTH EMBODIMENT OF THE INVENTION



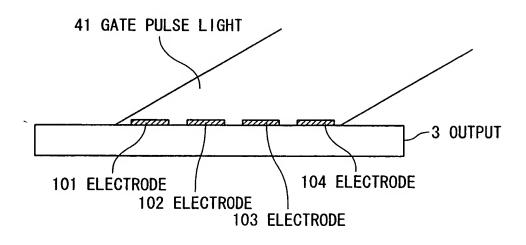
. . .

FOURTH EMBODIMENT (SECOND METHOD FOR PERFORMING MEASUREMENT FOR PLURAL OPTICAL-PATH DIFFERENCES THROUGH SINGLE IRRADIATION OF GATE PULSE)

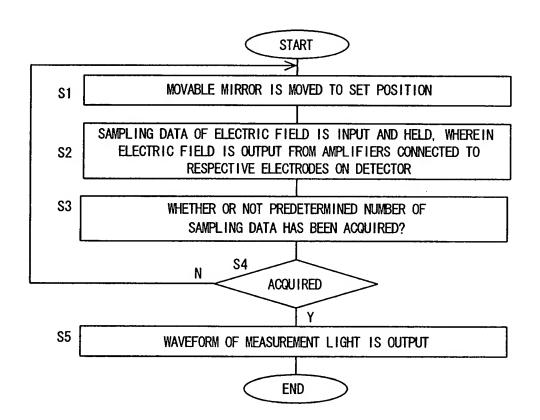
(a)



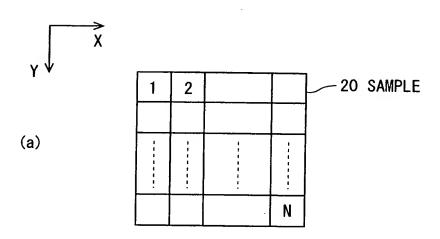
(b)

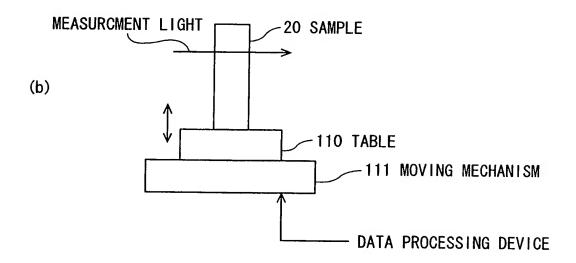


FLOW CHART IN DATA PROCESSING DEVICE ACCORDING TO FOURTH EMBODIMENT OF THE INVENTION

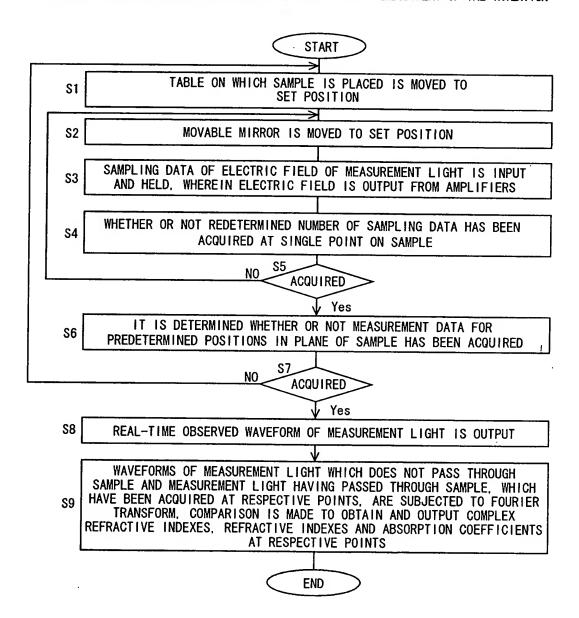


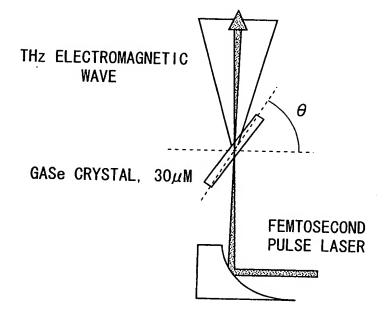
FIFTH EMBODIMENT





FLOW CHART IN DATA PROCESSING DEVICE ACCORDING TO FIFTH EMBODIMENT OF THE INVENTION

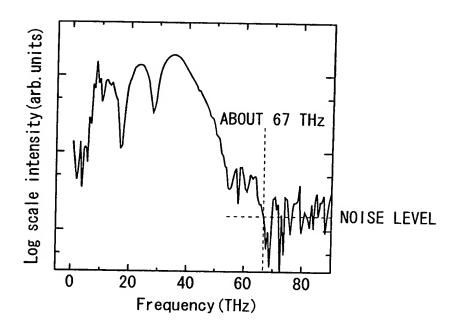




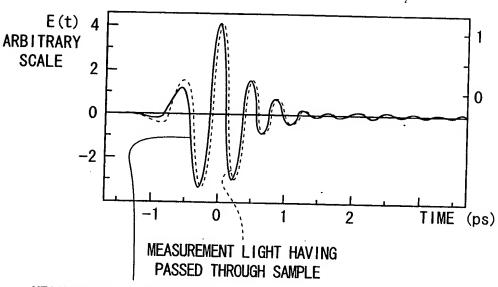
(

DIRECTION OF POLARIZATION OF PULSE LIGHT

OPTICAL TABLE



EXPLANATION VIEW OF MEANS FOR SOLVING PROBLEMS



MEASUREMENT LIGHT WHICH DOES NOT PASS THROUGH SAMPLE